Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/29/2020 09:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124302	-1	2.80	124360	2.77
Blue	F	SSC	125000	123260	-2	2.75	123878	2.71
Blue	E	FITC	15892	15418	-3	3.24	335	21.18
Blue	D	PE	29999	29290	-3	2.46	638	15.38
Blue	B	PerCP-Cy5-5	43732	43376	-1	4.10	1166	21.15
Blue	A	PE-Cy7	30845	30744	-1	6.39	585	43.23
Red	C	APC	46112	44641	-4	2.59	1591	12.11
Red	A	APC-Cy7	30458	29341	-4	2.53	783	11.97
Violet	B	V450	7918	7529	-5	3.85	438	12.75
Violet	A	V500	32171	30824	-5	3.58	728	10.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16613	11.29	637	16	N/A	N/A	Pass
Blue	F	SSC	56716	1.99	576	17	N/A	N/A	Pass
Blue	E	FITC	62	67.39	552	9	0.0182	165	Pass
Blue	D	PE	133	51.50	558	10	0.1485	266	Pass
Blue	B	PerCP-Cy5-5	215	51.36	666	10	0.0084	51	Pass
Blue	A	PE-Cy7	108	109.75	711	13	0.0099	24	Pass
Red	C	APC	388	25.01	588	4	0.0246	169	Pass
Red	A	APC-Cy7	173	29.05	559	3	0.0056	1162	Pass
Violet	B	V450	67	58.87	461	3	0.0545	2343	Pass
Violet	A	V500	109	33.70	477	3	0.0229	801	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.00	-32.53	0.99
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.51	13.60 - 20.40	N/A	N/A	29.93	30.39	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 9538

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments